Inspection Results (IRR)

Generated on 2020. December. 10 17:39

88982 (1019) (217)

Ro w	Assets	Resu It	(Note	Sub-Group	Qs t #	Question ID	References	Question Text
1.	88982 (10 19)	Sat	(2)	CR.SCADA	35	CR.SCADA.SCADAOVERFILL.P	195.428(d) (195.446(b), 195.446(c))	Is an adequate process/procedure in place for testing applicable SCADA controlled overfill protection devices?
2.	88982 (10 19)	Sat		DC.CO	1.	DC.CO.SPECS.P	195.202	Does the operator have written construction specifications or standards as required of 195.202?
3.	88982 (10 19)	Sat		DC.CO	2.	DC.CO.INSPECTION.P	195.202 (195.206)	Does the process specify that prior to installation, pipe and components are visually inspected at the site of installation to ensure they are not damaged?
4.	88982 (10 19)	NA		DC.CO	4.	DC.CO.TRANSPORT.P	195.202 (195.207(a), 195.207(b), 195.207(c))	Does the process require transportation for certain pipe to be in accordance with API RP 5L?
5.	88982 (10 19)	Sat		DC.CO	7.	DC.CO.LOCATION.P	195.202 (195.210(a), 195.210(b))	Does the process specify the required pipeline location (and any additional depth of cover requirements)?
6.	88982 (10 19)	Sat		DC.CO	10	DC.CO.INSTALL.P	195.202 (195.246(a))	Does the process specify that pipe is installed in a manner that minimizes secondary stresses and minimizes possibility of damage?
7.	88982 (10 19)	Sat		DC.CO	14	DC.CO.COVER.P	195.202 (195.248(a), 195.248(b))	Does the process specify that piping is installed with a depth of cover as specified in 195.248?
8.	88982 (10 19)	Sat		DC.CO	17	DC.CO.INSTALLABOVEGRND.P	195.202 (195.254(a), 195.254(b))	Does the process specify that above ground components are installed as allowed by 195.254?
9.	88982 (10 19)	Sat		DC.CO	20	DC.CO.VALVEPROTECT.P	195.258(a)	Does the process specify that valves are accessible to authorized employees and protected from damage or tampering?

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Ro w	Assets	lt	(Note 1)	Sub-Group	t #	Question ID	References	Question Text
10.	88982 (10 19)	Sat		DC.CO	27	DC.CO.VALVELOCATION.P	195.202 (195.260(a), 195.260(b), 195.260(c), 195.260(d), 195.260(e), 195.260(f))	Does the process specify that valves are located as specified by 195.260?
11.	88982 (10 19)	Sat		DC.CO	30	DC.CO.FIELDBEND.P	195.202 (195.212(a), 195.212(b), 195.212(c))	Does the construction process meet the requirements of 195.212 for bending pipe?
12.	88982 (10 19)	Sat		DC.CO	32	DC.CO.RECORDS.P	195.202 (195.266(a), 195.266(b), 195.266(c), 195.266(d), 195.266(e), 195.266(f))	Does the process require applicable construction records to be maintained for the life of each pipeline?
13.	88982 (10 19)	Sat		DC.CO	34	DC.CO.CLEAR.P	195.202 (195.250)	Does clearance requirements between pipe and underground structures comply with 195.250?
14.	88982 (10 19)	Sat		DC.CO	36	DC.CO.BACKFILL.P	195.202 (195.252(a), 195.252(b))	Is backfilling required to be performed in a manner that provides firm support and that does no damage to the pipe and coating?
15.	88982 (10 19)	Sat		DC.CO	38	DC.CO.EXTLOAD.P	195.202 (195.256)	Is pipe at railroad and highway crossings required to be installed to adequately withstand dynamic forces exerted by anticipated traffic loads?
16.	88982 (10 19)	Sat		DC.COCMP	2.	DC.COCMP.INSTALL.P	195.202 (195.246(a))	Does the process specify that pipe is installed in a manner that minimizes secondary stresses and minimizes possibility of damage?
17.	88982 (10 19)	Sat		DC.COCMP	4.	DC.COCMP.COVER.P	195.202 (195.248(a))	Does the process specify that piping is installed with a depth of cover as specified in 195.248?
18.	88982 (10 19)	Sat		DC.COCMP	7.	DC.COCMP.INSTALLABOVEGRND.P	195.202 (195.254(a), 195.254(b))	Does the process specify that above ground components are installed as allowed by 195.254?
	19)	Sat		DC.COCMP		DC.COCMP.VALVEPROTECT.P	195.258(a)	Does the process specify that valves are accessible to authorized employees and protected from damage or tampering?
20.	88982 (10 19)	Sat		DC.COCMP	13	DC.COCMP.VALVELOCATION.P	195.202 (195.260(a),	Does the process specify that valves are

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Ro w	Assets	lt	(Note 1)	Sub-Group	#	Question ID	References	Question Text
							195.260(b), 195.260(c), 195.260(d), 195.260(e), 195.260(f))	located as specified by 195.260?
21.	88982 (10 19)	Sat		DC.COCMP	16	DC.COCMP.PMPSPEC.P	195.202 (195.262(a), 195.262(b), 195.262(c), 195.262(d), 195.262(e))	Does the process require pumping equipment to meet the requirements 195.262?
22.	88982 (10 19)	Sat		DC.COCMP	19	DC.COCMP.PMPOVERPRESS.P	195.202 (195.262(b))	Does the process specify that pumping stations have overpressure safety devices and emergency shutdown capability?
23.	88982 (10 19)	Sat		DC.COCMP	25	DC.COCMP.INSPECTION.P	195.202 (195.206)	Does the process specify that prior to installation, pipe and components are visually inspected at the site of installation to ensure they are not damaged?
24.	88982 (10 19)	Sat		DC.COCMP	26	DC.COCMP.FIELDBEND.P	195.202 (195.212(a), 195.212(b), 195.212(c))	Does the construction process meet the requirements of 195.212 for bending pipe?
25.	88982 (10 19)	Sat		DC.COCMP	28	DC.COCMP.RECORDS.P	195.202 (195.266(a), 195.266(b), 195.266(c), 195.266(d), 195.266(e), 195.266(f))	Does the process require applicable construction records to be maintained for the life of each pipeline?
26.	88982 (10 19)	Sat		DC.COCMP	30	DC.COCMP.CLEAR.P	195.202 (195.250)	Does clearance requirements between pipe and underground structures comply with 195.250?
27.	88982 (10 19)	Sat		DC.COCMP	32	DC.COCMP.BACKFILL.P	195.202 (195.252(a), 195.252(b))	Is backfilling required to be performed in a manner that provides firm support and that does no damage to the pipe and coating?
28.	88982 (10 19)	Sat	(2)	DC.WELDINSP	1.	DC.WELDINSP.WELDINSPECT.P	195.228(a) (195.228(b))	Are welds required to be inspected to ensure compliance with the requirements of 195.228?
	88982 (10 19)		(2)	DC.WELDINSP		DC.WELDINSP.WELDREPAIR.P	195.202 (195.230(a), 195.230(b), 195.230(c))	Are welds that are unacceptable required to be removed and/or repaired as specified by 195.230 and are repair procedures in place?
30.	88982 (10 19)	Sat	(2)	DC.WELDINSP	7.	DC.WELDINSP.WELDNDT.P	195.234(a) (195.234(b), 195.234(c))	Are there processes for nondestructive testing and for determining

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								standards of acceptability?	
31.	88982 (10 19)	Sat	(2)	DC.WELDINSP	10	DC.WELDINSP.WELDNDTQUAL.P	195.202 (195.234(b)(2))	Does the process require nondestructive testing of welds (for maintenance and construction) be performed by personnel who are trained in procedures established to ensure compliance with 195.228 and in use of the testing equipment?	
32.	88982 (10 19)	Sat	(2)	DC.WELDINSP	11	DC.WELDINSP.GIRTHWELDNDT.P	195.202 (195.234(d), 195.234(e), 195.234(f), 195.234(g), 195.266)	Does the process require certain girth welds to be nondestructively tested in accordance with 195.234(d), (e), (f), and (g)?	
33.	88982 (10 19)	Sat	(2)	DC.WELDERQUAL	1.	DC.WELDERQUAL.WELDERQUAL.P	195.222(a) (195.222(b))	Is each welder required to be qualified in accordance with section 6 of API 1104 or section IX of the ASME Boiler and Pressure Vessel Code?	
34.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	1.	DC.WELDPROCEDURE.WELDSUPPOR T.P	195.202 (195.208)	Does the procedure prohibit supports or braces to be welded directly to pipe that operates at a pressure greater than 100 psi (689 kPa) gage?	
35.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	3.	DC.WELDPROCEDURE.WELD.P	195.214(a)	Does the process require welding to be performed by qualified welders using qualified welding procedures?	
36.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	5.	DC.WELDPROCEDURE.WELDPROCEDURE.P	195.214(b)	Are welding procedures and qualifying tests required to be recorded in detail?	
37.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	8.	DC.WELDPROCEDURE.MITERJOINT.P	195.214(b) (195.216)	Do welding procedures prohibit the use of miter joints?	
38.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	9.	DC.WELDPROCEDURE.WELDWEATHE R.P	195.224	Is welding required to be protected from weather conditions that would impair the quality of the completed weld?	
39.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	11	DC.WELDPROCEDURE.ARCBURNGRN DWIRE.P	195.202 (195.226(a), 195.226(b), 195.226(c))	Does the process address arc burns and ground wires in accordance with 195.226?	
40.	88982 (10 19)	Sat	(2)	DC.WELDPROCED URE	14	DC.WELDPROCEDURE.WELDINSERVI CE.P	195.402(a) (195.422(a),)	Does the process require consideration of issues related to welding on in-service pipelines?	

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w	Assets	lt	1)	Sub-Group	#	Question ID	References	Question Text
41.	88982 (10 19)	Sat	(2)	DC.DN	5.	DC.DN.DESIGNPRESS.P	195.106(a) (195.106(b), 195.106(c), 195.106(d), 195.106(e))	Does the process require the internal design pressure of the pipeline (or pipe) be determined in accordance with 195.106?
42.	88982 (10 19)	Sat		DC.DN	9.	DC.DN.EXTLOAD.P	195.110(a) (195.110(b))	Does the process require pipeline designs to account for anticipated external loads?
43.	88982 (10 19)	Sat		DC.DN	13	DC.DN.NEWPIPE.P	195.112(a) (195.112(b), 195.112(c))	Does the process require that new pipe installed in a pipeline system comply with 195.112?
44.	88982 (10 19)	Sat		DC.DN	18	DC.DN.VALVE.P	195.116(a) (195.116(b), 195.116(c), 195.116(d), 195.116(e), 195.116(f))	Does the process require pipeline system valves meet the requirements of 195.116?
45.	88982 (10 19)	Sat		DC.DN	21	DC.DN.VALVECOMPAT.P	195.116(c)	Does the process require that pipeline system valves meet the compatibility requirements of 195.116(c)?
46.	88982 (10 19)	Sat		DC.DN	23	DC.DN.FITTING.P	195.118(a) (195.118(b), 195.118(c))	Does the process require that selected material specifications for pipe fittings meet the requirements of 195.118?
47.	88982 (10 19)	Sat		DC.DN	26	DC.DN.ILIPASS.P	195.202 (195.120(a), 195.120(b), 195.120(c), 195.120(d))	Does the process require the pipeline be designed and constructed to accommodate the passage of instrumented internal inspection devices?
48.	88982 (10 19)	Sat		DC.DN	29	DC.DN.CLOSURE.P	195.124	Does the process require closures comply with the ASME Boiler and Pressure Vessel Code, Section VIII, Pressure Vessels, Division 1 and have pressure and temperature ratings at least equal to those of the pipe to which the closure is attached?
49.	88982 (10 19)	NA		DC.DN	32	DC.DN.LDDESIGN.P	195.134(a) (195.134(b), 195.134(c), 195.444(a), 195.444(b), 195.444(c))	Are newly constructed pipeline segments required to have a leak detection system that protects the public, property, and the environment?

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50.	88982 (10 19)	Sat		DC.MO	1.	DC.MO.SAFETY.P	195.402(a) (195.422(a), 195.402(c)(14))	Does the process ensure that pipeline maintenance construction and testing activities are made in a safe manner and are made so as to prevent damage to persons and property?
51.	88982 (10 19)	Sat		DC.MO	3.	DC.MO.ICEXAMINE.P	195.402(c) (195.579(c), 195.579(a))	Does the process direct personnel to examine removed pipe for evidence of internal corrosion?
52.	88982 (10 19)	Sat		DC.MO	6.	DC.MO.MOPLIMIT.P	195.402(a) (195.402(c)(7))	Does the process include procedures for starting up and shutting down any part of the pipeline system in a manner designed to assure operation within the limits prescribed by 195.406?
53.	88982 (10 19)	Sat		DC.MO	9.	DC.MO.MOVE.P	195.402(a) (195.424(a), 195.424(b), 195.424(c))	Has a process been developed for pipeline movements in accordance with 195.424?
54.	88982 (10 19)	Sat		DC.PT	1.	DC.PT.PRESSTEST.P	195.402(c) (195.302(a), 195.304, 195.305, 195.306, 195.310)	Does the process have adequate test procedures?
55.	88982 (10 19)	Sat		DC.PT	4.	DC.PT.PRESSTESTTIEIN.P	195.402(c) (195.308)	Does the process require testing of pipe associated with tie-ins, either with the section to be tied in or separately?
56.	88982 (10 19)	Sat		DC.TQ	1.	DC.TQ.INSPECTORQUAL.P	195.202 (195.204)	Does the process require any person performing inspections to be trained?
57.	88982 (10 19)	Sat		DC.TQOQ	1.	DC.TQOQ.OQPLAN.P	195.505(a) (Operators OQ program manual)	Does the process include covered tasks relating to "construction-type" maintenance?
58.	88982 (10 19)	Sat		TDC.TK650REGS	1.	TDC.TK650REGS.BOSPEC.P		Does the process for new aboveground atmospheric breakout tanks require tank design and construction to meet the requirements of 195.132(b)(3)?
59.	88982 (10 19)	Sat		TDC.TK650REGS	4.	TDC.TK650REGS.BODESPRESS.P	195.132(a)	Does the process for new aboveground atmospheric breakout tanks require design and construction to

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								withstand the internal pressure produced by the hazardous liquid to be stored therein and any anticipated external loads?
60.	88982 (10 19)	Sat		TDC.TK650REGS	7.	TDC.TK650REGS.REPAIRSPEC.P	195.205(b)(1) (API Std 650, API Std 653)	Are breakout tanks required to be repaired, altered, or reconstructed in compliance with the requirements of 195.205(b)(1)?
61.	88982 (10 19)	Sat		TDC.TK650REGS	10	TDC.TK650REGS.RELIEFVENT.P	195.264(e) (195.264(d), API 650, API Std 2000)	Does the process for new aboveground breakout tanks require normal / emergency (pressure/vacuum) relief venting to be provided for each tank in accordance with 195.264(d) and (e)?
62.	88982 (10 19)	Sat		TDC.TK650REGS	13	TDC.TK650REGS.BOTTOMLINING.P	195.579(d) (195.402(c), API RP 652)	Does the process for new aboveground breakout tanks require bottom linings to protect against internal corrosion in accordance with 195.579(d)?
63.	88982 (10 19)	Sat		TDC.TK650REGS	16	TDC.TK650REGS.LEAKTESTING.P	195.307(c) (195.310(a), API 650, 195.310(b))	Does the process for new aboveground breakout tanks require leak testing of tanks in accordance with 195.307?
64.	88982 (10 19)	Sat		TDC.TK650REGS	19	TDC.TK650REGS.REPAIRLEAKTEST.P	195.307(d) (195.310(a), 195.310(b), API 653)	Does the process for aboveground atmospheric breakout tanks require leak testing of tanks after repairs, alterations, and reconstruction in accordance with 195.307(d)?
65.	88982 (10 19)	Sat		TDC.TK650REGS	22	TDC.TK650REGS.OVERFILL.P	195.428(c) (195.402(c), API Std 2350)	Does the process for new or significantly altered aboveground breakout tanks require overfill protection systems in accordance with 195.428(c)?
66.	88982 (10 19)	NA		TDC.TK650REGS	25	TDC.TK650REGS.OVERFILLSCADA.P	195.446(c)(2) (195.428(d))	Does the process require initial testing of applicable SCADA overfill protection systems for each new tank?
67.	88982 (10 19)	Sat		TDC.TK650REGS	28	TDC.TK650REGS.ROOFEGRESS.P	195.405(b)	Do the tank and roof design specifications require review and consideration of the hazards associated

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w	Assets	lt	1)	Sub-Group	#	Question ID	References	Question Text
								with access/egress onto floating roofs and the potentially hazardous conditions, safety practices and procedures in API Publication 2026?
68.	88982 (10 19)	Sat		TDC.TK650REGS	30	TDC.TK650REGS.BOCP.P	195.565 (195.563(d), API Std 651)	Does the process for new aboveground breakout tanks specify cathodic protection as required by 195.565?
69.	88982 (10 19)	Sat		TDC.TK650REGS	33	TDC.TK650REGS.IGNITIONPROT.P	195.405(a) (API RP 2003)	Does the aboveground atmospheric breakout tank design process require design and installation of protections against ignitions arising out of static electricity, lightning, and stray currents IAW API RP 2003?
70.	88982 (10 19)	Sat		TDC.TK650REGS	36	TDC.TK650REGS.BOIMPOUND.P	195.264(a) (195.264(b), 195.264(c), 195.264(d), 195.264(e))	Does the process for new aboveground breakout tanks require impoundment(s) to meet the requirements of 195.264 in the event of tank spillage or failure?
71.	88982 (10 19)	Sat		TDC.TK650REGS	39	TDC.TK650REGS.UNAUTHENTRY.P	195.264(c) (195.436)	Does the process for new aboveground atmospheric breakout tank areas require protection against unauthorized entry?
72.	88982 (10 19)	Sat		TDC.TK650REGS	42	TDC.TK650REGS.FIREEQUIP.P	195.430(a) (195.430(b), 195.430(c))	Does the process define what firefighting equipment is needed to respond to emergencies at the facility and provide for procedures and training of personnel?
73.	88982 (10 19)	NA		TDC.TK620	1.	TDC.TK620.BOSPEC.P		Does the process for new aboveground low pressure breakout tanks require tank design and construction to meet the requirements of 195.132(b)(2)?
74.	88982 (10 19)	NA		TDC.TK12F	1.	TDC.TK12F.BOSPEC.P	195.132(b)(1) (API Spec 12F)	Does the process for new aboveground shop-fabricated breakout tanks require tank design and construction to meet the requirements of 195.132(b)(1)?

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75.	88982 (10 19)	NA		TDC.TK2510	1.	TDC.TK2510.BOSPEC.P	195.132(b)(4) (API Std 2510)	Does the process for new aboveground high pressure breakout tanks require tank design and construction to meet the requirements of 195.132(b)(4)?
76.	88982 (10 19)	Sat	(2)	TDC.TKPIPING	1.	DC.DN.DESIGNPRESS.P	195.106(a) (195.106(b), 195.106(c), 195.106(d), 195.106(e))	Does the process require the internal design pressure of the pipeline (or pipe) be determined in accordance with 195.106?
77.	88982 (10 19)	NA		TDC.TKPIPING	3.	TDC.TKPIPING.CORRFLUIDS.P	195.579(a)	Does the design process take into account fluid corrosive properties for internal corrosion of tank related piping as required by 195.579(a)?
78.	88982 (10 19)	Sat		TDC.TKPIPING	6.	TDC.TKPIPING.TANKPIPINGTEST.P	195.302(a) (195.304, 195.305(a), 195.306(a), 195.306(b), 195.306(c), 195.306(d), 195.305(b))	Where tank piping and/or manifolds are installed in association with new breakout tank construction, does the process require pressure testing of all piping, fittings, and components in accordance with 195.302, 195.304, and 195.305?
79.	88982 (10 19)	Sat		TDC.TKPIPING	9.	TDC.TKPIPING.PRESSTESTTIEIN.P	195.308 (195.402(c))	Does the process require testing of pipe associated with tie-ins, either with the section to be tied in or separately?
80.	88982 (10 19)	Sat		TDC.TKPIPING	11	TDC.TKPIPING.PROTDEVICETEST.P	195.428(a) (195.402(c)(3))	Does the process require the installation and initial testing of tank piping pressure limiting devices, relief valves, pressure regulators, or other items of pressure control prior to place the aboveground breakout tank into service?
81.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	1.	DC.WELDPROCEDURE.WELDPROCED URE.P	195.214(b)	Are welding procedures and qualifying tests required to be recorded in detail?
82.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	4.	DC.WELDPROCEDURE.WELD.P	195.214(a)	Does the process require welding to be performed by qualified welders using qualified welding procedures?

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w	Assets	lt	1)	Sub-Group	#	Question ID	References	Question Text
83.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	6.	DC.WELDPROCEDURE.WELDINSERVI CE.P	195.402(a) (195.422(a),)	Does the process require consideration of issues related to welding on in-service pipelines?
84.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	7.	DC.WELDPROCEDURE.WELDWEATHE R.P	195.224	Is welding required to be protected from weather conditions that would impair the quality of the completed weld?
85.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	9.	DC.WELDPROCEDURE.MITERJOINT.P	195.214(b) (195.216)	Do welding procedures prohibit the use of miter joints?
86.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	10	DC.WELDPROCEDURE.WELDSUPPOR T.P	195.202 (195.208)	Does the procedure prohibit supports or braces to be welded directly to pipe that operates at a pressure greater than 100 psi (689 kPa) gage?
87.	88982 (10 19)	Sat	(2)	TDC.WELDPROCED URE	12	DC.WELDPROCEDURE.ARCBURNGRN DWIRE.P	195.202 (195.226(a), 195.226(b), 195.226(c))	Does the process address arc burns and ground wires in accordance with 195.226?
88.	88982 (10 19)	Sat	(2)	TDC.WELDERQUAL	1.	DC.WELDERQUAL.P	195.222(a) (195.222(b))	Is each welder required to be qualified in accordance with section 6 of API 1104 or section IX of the ASME Boiler and Pressure Vessel Code?
89.	88982 (10 19)	Sat	(2)	TDC.WELDINSP	1.	DC.WELDINSP.WELDINSPECT.P	195.228(a) (195.228(b))	Are welds required to be inspected to ensure compliance with the requirements of 195.228?
90.	88982 (10 19)	Sat	(2)	TDC.WELDINSP	4.	DC.WELDINSP.WELDREPAIR.P	195.202 (195.230(a), 195.230(b), 195.230(c))	Are welds that are unacceptable required to be removed and/or repaired as specified by 195.230 and are repair procedures in place?
91.	88982 (10 19)	Sat	(2)	TDC.WELDINSP	7.	DC.WELDINSP.WELDNDT.P	195.234(a) (195.234(b), 195.234(c))	Are there processes for nondestructive testing and for determining standards of acceptability?
92.	88982 (10 19)	Sat	(2)	TDC.WELDINSP	10	DC.WELDINSP.WELDNDTQUAL.P	195.202 (195.234(b)(2))	Does the process require nondestructive testing of welds (for maintenance and construction) be performed by personnel who are trained in procedures established to ensure compliance with 195.228 and in use of the testing equipment?

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w	Assets	lt	1)	Sub-Group	#	Question ID	References	Question Text
93.	88982 (10 19)	Sat	(2)	TDC.WELDINSP	11	DC.WELDINSP.GIRTHWELDNDT.P	195.202 (195.234(d), 195.234(e), 195.234(f), 195.234(g), 195.266)	Does the process require certain girth welds to be nondestructively tested in accordance with 195.234(d), (e), (f), and (g)?
94.	88982 (10 19)	Sat	(2)	TDC.IMFACIL	1.	IM.FACIL.FACILIDENT.P	195.452(f)(1)	Does the program include a written process for identification of facilities that could affect an HCA?
95.	88982 (10 19)	Sat	(2)	TDC.IMFACIL	3.	IM.FACIL.RELEASE.P		Does the process include methods to determine the facility locations/scenarios and worst case volume of potential commodity releases?
96.	88982 (10 19)	Sat	(2)	TDC.IMFACIL	5.	IM.FACIL.SPREAD.P		Does the process include an analysis of overland spread & water transport of hazardous liquids to determine the extent of commodity spread from the facility and its effects on HCAs?
97.	88982 (10 19)	Sat	(2)	TDC.IMFACIL	7.	IM.FACIL.PMMPREVENTIVE.P	(195.452(i))	Does the process include requirements for identification of facility preventive measures to protect the HCAs?
98.	88982 (10 19)	Sat	(2)	TDC.IMFACIL	9.	IM.FACIL.PMMMITIGATIVE.P	195.452(f)(6) (195.452(i))	Does the process include requirements for identification and implementation of facility mitigative measures to protect the HCAs?
99.	88982 (10 19)	Sat		EP.ERL	1.	EP.ERL.REVIEW.P	195.402(a)	Does the O&M plan include a requirement to review the emergency manual at intervals not exceeding 15 months, but at least once each calendar year, and make appropriate changes as necessary to ensure it is effective?
	88982 (10 19)			EP.ERL	4.	EP.ERL.ACCIDENTDATA.P))	Does the O&M plan include processes for the gathering of data needed for reporting accidents under subpart B of this part in a timely and effective manner?
	88982 (10 19)	Sat		EP.ERL	6.	EP.ERL.ACCIDENTANALYSIS.P	195.402(a) (195.402(c)(5	Does the O&M plan include processes for

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), 195.402(c)(6))	analyzing pipeline accidents to determine their causes?
102	88982 (10 19)	Sat		EP.ERL	8.	EP.ERL.LIAISON.P	195.402(a) (195.402(c)(1 2), 195.440(c), API RP 1162 Section 4.4)	Does the O&M plan include processes for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?
103	88982 (10 19)	Sat		EP.ERL	10	EP.ERL.NOTICES.P	195.402(a) (195.402(e)(1))	Does the emergency plan include processes for receiving, identifying, and classifying notices of events which need immediate response and providing notice to operator personnel or to fire, police or other appropriate officials, as appropriate, for corrective action?
104	88982 (10 19)	Sat		EP.ERL	12	EP.ERL.RESPONSE.P), 195.402(c)(6) , 195.402(e)(2)	Does the emergency plan include processes for making a prompt and effective response to a notice of each type of emergency, fire, explosion, accidental release of a hazardous liquid, operational failure, or natural disaster affecting the pipeline?
105	88982 (10 19)	Sat		EP.ERL	13	EP.ERL.READINESS.P	195.402(a) (195.402(e)(3))	Does the emergency plan include processes to ensure the availability of personnel, equipment, instruments, tools, and materials as needed at the scene of an emergency?
106	88982 (10 19)	Sat		EP.ERL	15	EP.ERL.RELEASEREDUCE.P	195.402(a) (195.402(e)(4))	Does the emergency plan include processes for taking necessary action; such as an emergency shutdown or pressure reduction, to minimize the volume released from any section of a pipeline system in the event of a failure?
107	88982 (10 19)	Sat		EP.ERL	16	EP.ERL.HAZREDUCE.P	1),	Does the emergency plan include processes for controlling the release of liquid at an accident scene to minimize the hazards, including possible

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								ignition in the cases of flammable HVLs?
108	88982 (10 19)	Sat		EP.ERL	. 17	EP.ERL.PUBLICHAZ.P	195.402(a) (195.402(e)(6))	Does the emergency plan include procedures for minimizing public exposure to injury and probability of accidental ignition by assisting with evacuation, assisting with halting traffic on roads and railroads, or taking other appropriate action?
109	88982 (10 19)	Sat		EP.ERL	18	EP.ERL.AUTHORITIES.P	195.402(a) (195.402(e)(7))	Does the emergency plan include processes for notifying fire, police, and other appropriate public officials of hazardous liquid emergencies and coordinating with them preplanned and actual responses during an emergency, including additional precautions necessary for an emergency involving HVLs?
110	88982 (10 19)	Sat		EP.ERL	22	EP.ERL.POSTEVNTREVIEW.P	195.402(a) (195.402(e)(9))	Does the emergency plan include processes for providing for a post-accident review of employee activities to determine whether the procedures were effective in each emergency and taking corrective action where deficiencies are found?
	88982 (10 19)	Sat		EP.ERL	24	EP.ERL.COMMSYS.P	195.408(a) (195.408(b))	Does the process address emergency communication system(s)?
	88982 (10 19)	Sat		EP.ETR	1.	EP.ETR.TRAINING.P	195.403(a)	Has a continuing training program to instruct emergency response personnel been established and conducted?
	88982 (10 19)			EP.ETR	4.	EP.ETR.TRAININGREVIEW.P	195.403(b)	Does the training program contain a provision requiring an annual review of the program and the making of changes as necessary to ensure it is effective?
114	88982 (10 19)	Sat		EP.ETR	6.	EP.ETR.TRAININGSUPERVISE.P	195.403(c)	Does the process require and verify that supervisors be knowledgeable of emergency response

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								procedures for which they are responsible?
115	88982 (10 19)	NA		FS.TSAPIINSPECT	1.	FS.TSAPIINSPECT.BOINSPECTION.P	195.402(c)(3) (195.432(a))	Does the process describe the interval and method for performing inspections of breakout tanks? [Question applies to tanks that are not steel atmospheric, low pressure tanks, or HVL steel tanks built according to API 2510.]
116	88982 (10 19)	Sat		FS.TSAPIINSPECT	3.	FS.TSAPIINSPECT.BOINSRVCINSP.P	195.402(c)(3) (195.432(b))	Does the process describe the interval and method for performing routine in- service inspections of steel atmospheric or low pressure breakout tanks?
117	88982 (10 19)	Sat		FS.TSAPIINSPECT	5.	FS.TSAPIINSPECT.BOEXTINSP.P	195.402(c)(3) (195.432(b))	Does the process describe the interval and method for performing external inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?
118	88982 (10 19)	Sat		FS.TSAPIINSPECT	7.	FS.TSAPIINSPECT.BOEXTUTINSP.P	195.402(c)(3) (195.432(b))	Does the process describe the interval and method for performing external, ultrasonic thickness inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?
119	88982 (10 19)	Sat		FS.TSAPIINSPECT	9.	FS.TSAPIINSPECT.BOINTINSP.P	195.402(c)(3) (195.432(b))	Does the process describe the interval and method for performing formal internal inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?
120	88982 (10 19)	NA		FS.TSAPIINSPECT	11	FS.TSAPIINSPECT.BOEXTINSPAPI251 0.P	195.402(c)(3) (195.432(c))	Does the process describe the interval and method for performing visual external inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510?
121	88982 (10 19)	NA		FS.TSAPIINSPECT	13	FS.TSAPIINSPECT.BOINTINSPAPI251 0.P	195.402(c)(3) (195.432(c))	Does the process describe the interval and method for performing internal inspections of in- service pressure steel aboveground breakout

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								tanks built to API Standard 2510?
122	88982 (10 19)	Sat	(2)	FS.FG	5.	FS.FG.SIGNAGE.P	195.402(c)(3) (195.434)	Does the process require operator signs to be posted around each pump station and breakout tank area?
	88982 (10 19)	Sat	(2)	FS.FG	6.	FS.FG.IGNITION.P	195.402(c)(3) (195.438)	Does the process prohibit smoking and open flames in each pump station and breakout tank area, or where there is the possibility of the leakage of a flammable hazardous liquid or the presence of flammable vapors?
124	88982 (10 19)	Sat	(2)	FS.FG	7.	FS.FG.PROTECTION.P	195.402(c)(3) (195.436)	Does the process require facilities to be protected from vandalism and unauthorized entry?
125	88982 (10 19)	Sat		FS.FG	8.	FS.FG.FIREPROT.P	195.402(c)(3) (195.430(a), 195.430(b), 195.430(c))	Does the process require firefighting equipment at pump station/breakout tank areas?
	88982 (10 19)	Sat	(2)	FS.PS	5.	MO.LMOPP.PRESSREGTEST.P	195.402(c)(3) (195.428(a))	Does the process adequately detail the inspecting and testing of each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment?
127	88982 (10 19)	Sat	(2)	FS.PS	12	MO.LMOPP.LAUNCHRECVRELIEF.P	195.402(c)(3) (195.426)	Does the process include requirements for relief devices and their proper use for launchers and receivers?
128	88982 (10 19)	Sat		FS.TS	1.	FS.TS.PRESSREGTESTBO.P	195.402(c)(3) (195.428(a))	Does the process require inspection and testing of pressure limiting devices, relief valves (except on HVL pressure breakout tanks), pressure regulators, or other items of pressure control at the required frequency? [Note: This question applies to HVL and non-HVL breakout tanks, except for relief valves on HVL tanks (see FS.TS.PRVTESTHVLBO. P).]
	88982 (10 19)	Sat		FS.TS	6.	FS.TS.OVERFILLBO.P	195.402(c)(3) (195.428(a),	Does the process require adequate

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							195.428(c), 195.428(d))	testing and inspection of overfill devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]
	88982 (10 19)	Sat	(2)	FS.TS	9.	CR.SCADA.SCADAOVERFILL.P	195.428(d) (195.446(b), 195.446(c))	Is an adequate process/procedure in place for testing applicable SCADA controlled overfill protection devices?
	88982 (10 19)	Sat		FS.TS	12	FS.TS.IGNITIONBO.P	195.402(c)(3) (195.405(a))	Does the process describe how the operator protects against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?
132	88982 (10 19)	Sat		FS.TS	15	FS.TS.FLOATINGROOF.P	195.402(c)(3) (195.405(b))	Does the process associated with access/egress onto floating roofs of inservice aboveground breakout tanks to perform inspection, service, maintenance or repair activities of inservice tanks indicate that the operator has reviewed and considered the potentially hazardous conditions, safety practices and procedures in API Publication 2026?
	88982 (10 19)	Sat		FS.TS	22	FS.TS.PRESSTESTBO.P	195.402(c) (195.307(d), 195.310(a), 195.310(b), API 653)	Have written test procedures been developed for testing repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000?
	88982 (10 19)	Sat	(2)	FS.VA	1.	MO.LM.VALVEMAINT.P	195.402(c)(3) (195.420(a))	Does the process adequately address the maintenance program for each valve that is necessary for safe operation of the pipeline system?
	88982 (10 19)		(2)	FS.VA		MO.LM.VALVEMAINTBIANN.P	195.402(c)(3) (195.420(b))	Does the process address inspecting each mainline valve?
	88982 (10 19)	Sat	(2)	FS.VA	5.	MO.LM.VALVEPROTECT.P	195.402(c)(3) (195.420(c))	Does the process contain criteria for

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								providing protection for each valve from unauthorized operation and from vandalism?	
137	88982 (10 19)	Sat	(2)	IM.FACIL	1.	IM.FACIL.FACILIDENT.P	195.452(f)(1)	Does the program include a written process for identification of facilities that could affect an HCA?	
138	88982 (10 19)	Sat	(2)	IM.FACIL	5.	IM.FACIL.RELEASE.P		Does the process include methods to determine the facility locations/scenarios and worst case volume of potential commodity releases?	
139	88982 (10 19)	Sat	(2)	IM.FACIL	7.	IM.FACIL.SPREAD.P	195.452(f)(1) (195.452(l)(1) (i))	Does the process include an analysis of overland spread & water transport of hazardous liquids to determine the extent of commodity spread from the facility and its effects on HCAs?	
140	88982 (10 19)	Sat	(2)	IM.FACIL	13	IM.FACIL.PMMPREVENTIVE.P	195.452(f)(6) (195.452(i))	Does the process include requirements for identification of facility preventive measures to protect the HCAs?	
141	88982 (10 19)	Sat	(2)	IM.FACIL	15	IM.FACIL.PMMMITIGATIVE.P	195.452(f)(6) (195.452(i))	Does the process include requirements for identification and implementation of facility mitigative measures to protect the HCAs?	
142	88982 (10 19)	Sat		MO.LO	1.	MO.LO.OMMANUAL.P	195.402(a) (195.402(c))	Does the operator have an O&M manual, and has a procedure to properly maintain all portions of the manual?	
	88982 (10 19)	Sat		MO.LO	3.	MO.LO.OMHISTORY.P), 195.404(a), 195.404(a)(1)	Does the process address making construction records, maps, and operating history available as necessary for safe operation and maintenance?	

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144	88982 (10 19)	Sat		MO.LO	10	MO.LO.OMEFFECTREVIEW.P	195.402(a) (195.402(c)(1 3))	Does the process address periodically reviewing the work done by the operator's personnel to determine the effectiveness of the procedures used in normal operation and maintenance and taking corrective action where deficiencies are found?
145	88982 (10 19)	Sat		MO.LO	12	MO.LO.SRCR.P	195.402(a) (195.402(f), 195.55(a))	Does the procedure include instructions that allow personnel to recognize safety related conditions?
146	88982 (10 19)	Sat		MO.LO	13	MO.LO.PRESSTESTREQ.P	195.402(c)(3) (195.302(b), 195.302(c))	Does the procedure require pressure testing for all lines except as allowed by 195.302(b)?
147	88982 (10 19)	Sat		MO.LO	17	MO.LO.OPRECORDS.P		Does the process include requirements that operating records that relate to 195.402 activities be maintained?
148	88982 (10 19)	Sat		MO.LOOPER	1.	MO.LOOPER.PRESSURELIMIT.P	195.402(a) (195.402(c)(7))	Does the process include procedures for starting up and shutting down any part of the pipeline system in a manner designed to assure operation within the limits prescribed by 195.406?
149	88982 (10 19)	Sat		MO.LOOPER	3.	MO.LOOPER.FAILSAFE.P	195.402(a) (195.402(c)(8))	In the case of a pipeline that is not equipped to fail safe, does the process include procedures for monitoring from an attended location pipeline pressure during startup until steady state pressure and flow conditions are reached and during shut-in to assure operation within the limits of 195.406?
	88982 (10 19)	Sat	(2)	MO.LMOPP	1.	MO.LMOPP.PRESSREGTEST.P	195.402(c)(3) (195.428(a))	Does the process adequately detail the inspecting and testing of each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment?

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	88982 (10 19)	Sat		MO.LOMOP	1.	MO.LOMOP.MOPDETERMINE.P	195.402(c)(3) (195.302(c), 195.406(a))	Does the process include procedures for establishing the maximum operating pressure allowed in accordance with 195.406(a)?
	88982 (10 19)	Sat	(2)	MO.LMOPP	6.	MO.LMOPP.LAUNCHRECVRELIEF.P	195.402(c)(3) (195.426)	Does the process include requirements for relief devices and their proper use for launchers and receivers?
	88982 (10 19)	Sat		MO.ABNORMAL	1.	MO.ABNORMAL.ABNORMAL.P	195.402(a) (195.402(d)(1))	Does the process include procedures for responding to, investigating, and correcting the cause of the listed abnormal operating conditions?
154	88982 (10 19)	Sat	(2)	MO.LM	1.	MO.LM.VALVEMAINTBIANN.P	195.402(c)(3) (195.420(b))	Does the process address inspecting each mainline valve?
155	88982 (10 19)	Sat	(2)	MO.LM	2.	MO.LM.VALVEMAINT.P	195.402(c)(3) (195.420(a))	Does the process adequately address the maintenance program for each valve that is necessary for safe operation of the pipeline system?
156	88982 (10 19)	Sat		MO.ABNORMAL	3.	MO.ABNORMAL.ABNORMALCHECK.P	195.402(a) (195.402(d)(2))	Does the process include procedures for checking variations from normal operation after abnormal operations have ended at sufficient locations in the system to determine continued integrity and safe operations?
157	88982 (10 19)	Sat		MO.ABNORMAL	4.	MO.ABNORMAL.ABNORMALCORRECT.		Does the process include procedures for correcting variations from normal operation of pressure and flow equipment and controls?
	88982 (10 19)	Sat	(2)	MO.LM	4.	MO.LM.VALVEPROTECT.P	195.402(c)(3) (195.420(c))	Does the process contain criteria for providing protection for each valve from unauthorized operation and from vandalism?
159	88982 (10 19)	Sat	(2)	MO.RW	4.	MO.RW.PATROL.P	195.402(a) (195.412(a), 195.412(b))	Does the process require inspection of ROW surface conditions and crossings under navigable waterways, as well as reporting and mitigation of

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								findings from said inspections?
	88982 (10 19)	Sat		MO.ABNORMAL	5.	MO.ABNORMAL.ABNORMALNOTIFY.P	195.402(a) (195.402(d)(4))	Does the process include procedures for ensuring operating personnel notify responsible operator personnel where notice of an abnormal operation is received?
	88982 (10 19)	Sat	(2)	MO.RW	5.	MO.RW.ROWMARKER.P	195.402(a) (195.410(a), 195.410(c), API RP 1162, Section 2.7, API RP 1162, Section 8)	Does the process address how line markers are to be placed and maintained?
162	88982 (10 19)	Sat		MO.ABNORMAL	6.	MO.ABNORMAL.ABNORMALREVIEW.P	195.402(a) (195.402(d)(5))	Does the process include procedures for periodically reviewing the response of operating personnel to determine the effectiveness of the procedures for controlling abnormal operation and taking corrective action where deficiencies are found?
163	88982 (10 19)	NA		MO.LC	1.	MO.LC.CONVERSION.P	195.5(a) (195.5(b), 195.5(c))	If any pipelines were converted into Part 195 service, was a process developed addressing all the applicable requirements?
164	88982 (10 19)	Sat		MO.EW	1.	MO.EW.EXTWEATHERCRIT.P	195.402(a) (195.414(a))	Does the process adequately detail the specific weather or natural disaster conditions that would require an inspection?
	88982 (10 19)	Sat		MO.EW	2.	MO.EW.EXTWEATHERINSPREQT.P	195.402(a) (195.414(b), 195.414(c))	Does the process adequately detail initia inspection requirements?
	88982 (10 19)	Sat		MO.EW	3.	MO.EW.EXTWEATHERREMEDIAL.P	195.402(a) (195.414(d))	Does the process adequately detail remedial action requirements?
	88982 (10 19)	Sat	(2)	PD.RW	1.	MO.RW.PATROL.P	195.402(a) (195.412(a), 195.412(b))	Does the process require inspection of ROW surface conditions and crossings under navigable waterways, as well as reporting and mitigation of findings from said inspections?
	88982 (10 19)	Sat	(2)	PD.RW	5.	MO.RW.ROWMARKER.P	195.402(a) (195.410(a), 195.410(c),	Does the process address how line markers are to be

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KO W	Assets	it	(Note 1)	Sub-Group	t #	Question ID	References	Question Text
							API RP 1162, Section 2.7, API RP 1162, Section 8)	placed and maintained?
169	88982 (10 19)	Sat	(2)	PD.SN	5.	FS.FG.IGNITION.P	195.402(c)(3) (195.438)	Does the process prohibit smoking and open flames in each pump station and breakout tank area, or where there is the possibility of the leakage of a flammable hazardous liquid or the presence of flammable vapors?
	88982 (10 19)	Sat	(2)	PD.SN	6.	FS.FG.PROTECTION.P	195.402(c)(3) (195.436)	Does the process require facilities to be protected from vandalism and unauthorized entry?
171	88982 (10 19)	Sat	(2)	PD.SN	7.	FS.FG.SIGNAGE.P	195.402(c)(3) (195.434)	Does the process require operator signs to be posted around each pump station and breakout tank area?
172	88982 (10 19)	Sat		RPT.NR	1.	RPT.NR.NOTIFYOQ.P	195.505(i)	Does the OQ Program require the Administrator or state agency to be notified if the operator significantly modifies its program?
173	88982 (10 19)	Sat		RPT.NR	3.	RPT.NR.NOTIFYIMP.P), 195.452(h)(1) , 195.452(m))	Does the process include a requirement for submitting an IMP notification for each of the following circumstances: A) Unable to Meet Remediation Deadlines, B) Pressure Reductions, C) Use of Other Technology, D) Variance from Five-Year Assessment Intervals (Unavailable Technology), E) Variance from Five-Year Assessment Intervals (Engineering Basis)?
	88982 (10 19)	NA		RPT.RR	8.	RPT.RR.GRAVITY.P	195.13(a) (195.13(b), 195.13(c))	Does the process comply with the reporting requirements in Subpart B relating to gravity lines?
175	88982 (10 19)	NA		RPT.RR	10	RPT.RR.REGONLYGATHER.P	195.15(a) (195.15(b), 195.15(c))	Does the process comply with the reporting requirements in Subpart B relating to regulated-only gathering lines?

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176	88982 (10 19)	Sat		RPT.RR	12	RPT.RR.ACCIDENTREPORT.P	195.54(a) (195.50(a), 195.50(b), 195.50(c), 195.50(d), 195.50(e), 195.13(b), 195.15(b))	Does the process require preparation and filing of an accident report as soon as practicable but no later than 30 days after discovery of a reportable accident?
177	88982 (10 19)	Sat		RPT.RR	14	RPT.RR.ACCIDENTREPORTSUPP.P	195.402(a) (195.402(c)(2), 195.54(b), 195.13(b), 195.15(b))	Does the process require preparation and filing of supplemental accident reports?
178	88982 (10 19)	Sat		RPT.RR	16	RPT.RR.IMMEDREPORT.P	195.402(a) (195.402(c)(2), 195.52(b), 195.52(c), 195.52(d))	Are procedures in place to immediately report accidents to the National Response Center?
179	88982 (10 19)	Sat		RPT.RR	20	RPT.RR.SRCR.P	195.402(a) (195.55(a), 195.55(b), 195.56(a), 195.56(b), 195.13(b), 195.15(b))	Are processes in place to file safety-related condition reports if the conditions of 195.55 are met?
180	88982 (10 19)	Sat		RPT.RR	27	RPT.RR.OPID.P	195.64(a) (195.64(c), 195.64(d))	Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?
181	88982 (10 19)	Sat		TD.ATM	1.	TD.ATM.ATMCORRODECOAT.P	195.402(c)(3) (195.581(a), 195.581(b), 195.581(c))	Does the process give adequate instruction for the protection of pipeline against atmospheric corrosion?
182	88982 (10 19)	Sat		TD.ATM	3.	TD.ATM.ATMCORRODEINSP.P	195.402(c)(3) (195.583(a), 195.583(b), 195.583(c))	Does the process give adequate instruction for the inspection of aboveground pipeline segments exposed to the atmosphere?
	88982 (10 19)	Sat		TD.CPBO	1.	TD.CPBO.BO651.P	195.402(c)(3) (195.565, 195.563(d))	Does the process describe when cathodic protection must be installed on breakout tanks?
	88982 (10 19)			TD.CPBO		TD.CPBO.BO.P	(195.573(d))	Does the process adequately detail when and how cathodic protection systems will be inspected on breakout tanks?
185	88982 (10 19)	Sat		TD.CPBO	5.	TD.CPBO.DEFICIENCYBO.P	195.402(c)(3) (195.573(e))	Does the process require correction of any identified deficiencies in

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w	Assets	lt	1)	Sub-Group	#	Question ID	References	Question Text
								corrosion control for breakout tanks?
186	88982 (10 19)	Sat		TD.CPBO	7.	TD.CPBO.MAPRECORDBO.P	195.589(a) (195.589(b))	Does the process require maps and/or records of cathodic protection systems that have been installed on breakout tanks constructed, relocated, replaced, or otherwise changed?
187	88982 (10 19)	Sat	(2)	TD.CP	1.	TD.CP.MAPRECORD.P	195.589(a) (195.589(b))	Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed?
188	88982 (10 19)	Sat	(3)	TD.CP	2.	TD.CP.DEFICIENCY.P	195.402(c)(3) (195.573(e))	Does the process require correction of any identified deficiencies in corrosion control?
189	88982 (10 19)	Sat	(2)	TD.CP	3.	TQ.QU.CORROSIONSUPERVISE.P	195.402(c) (195.555, 195.505(h))	Are supervisors required to maintain a thorough knowledge of corrosion control procedures they are responsible for, and is it verified?
190	88982 (10 19)	Sat		TD.CP	5.	TD.CP.NEWOPERATE.P	195.402(c)(3) (195.563(a), 195.563(c), 195.563(d))	Does the process specify when cathodic protection must be operational on constructed, relocated, replaced, or otherwise changed pipelines?
191	88982 (10 19)	NA		TD.CP	7.	TD.CP.UNPROTECT.P	(195.563(e), 195.573(b)(1)	Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?
192	88982 (10 19)	Sat		TD.CP	9.	TD.CP.ISOLATE.P	195.402(c)(3) (195.575(a), 195.575(b), 195.575(c), 195.575(d))	Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?
193	88982 (10 19)	Sat		TD.CP	12	TD.CP.FAULTCURRENT.P	195.402(c)(3) (195.575(e))	Does the process give sufficient guidance for

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								determining when protection against damage from fault currents or lightning is needed and how that protection must be installed?
194	88982 (10 19)	Sat	(2)	TD.CPMONITOR	1.	TD.CP.MAPRECORD.P	195.589(a) (195.589(b))	Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed?
195	88982 (10 19)	Sat	(3)	TD.CPMONITOR	2.	TD.CP.DEFICIENCY.P	195.402(c)(3) (195.573(e))	Does the process require correction of any identified deficiencies in corrosion control?
196	88982 (10 19)	Sat		TD.CPMONITOR	3.	TD.CPMONITOR.TESTLEADINSTALL.P	195.402(c) (195.567(b))	Does the process provide adequate instructions for the installation of test leads?
197	88982 (10 19)	Sat		TD.CPMONITOR	6.	TD.CPMONITOR.TESTLEADMAINT.P	195.402(c)(3) (195.567(c))	Does the process require that test lead wires must be properly maintained?
198	88982 (10 19)	Sat		TD.CPMONITOR	9.	TD.CPMONITOR.MONITORCRITERIA. P	195.402(c)(3) (195.571)	Does the process require that CP monitoring criteria be used that is acceptable?
199	88982 (10 19)	Sat		TD.CPMONITOR	12	TD.CPMONITOR.TEST.P		Does the process adequately describe how to monitor CP that has been applied to pipelines?
200	88982 (10 19)	Sat		TD.CPMONITOR	14	TD.CPMONITOR.CIS.P	195.402(c)(3) (195.573(a)(2))	Does the process adequately describe the circumstances in which a CIS or comparable technology is practicable and necessary no more than 2 years after a cathodic protection system has been installed?
201	88982 (10 19)	Sat		TD.CPMONITOR	16	TD.CPMONITOR.CURRENTTEST.P	195.402(c)(3) (195.573(c))	Does the process give sufficient details for making electrical checks of rectifiers, interference bonds, diodes, and reverse current switches?
202	88982 (10 19)	Sat		TD.CPMONITOR	19	TD.CPMONITOR.INTFRCURRENT.P	195.402(c)(3) (195.577(a), 195.577(b))	Does the operator have a process in place to minimize

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								detrimental effects of interference currents on its pipeline system and do the procedures for designing and installing cathodic protection systems provide for the minimization of detrimental effects of interference currents on existing adjacent metallic structures?
203	88982 (10 19)	Sat		TD.COAT	1.	TD.COAT.NEWPIPE.P	195.402(c)(3) (195.557(a), 195.559, 195.401(c))	Does the process require coatings for pipelines constructed, relocated, replaced, or otherwise changed after the applicable date in 195.401(c) to meet the requirements of 195.559?
204	88982 (10 19)	Sat		TD.COAT	2.	TD.COAT.NEWPIPEINSPECT.P	195.402(c)(3) (195.561(a), 195.561(b))	Does the process require that the coating be inspected on new pipelines just prior to it being lowered into the pipe trench?
205	88982 (10 19)	NA		TD.COAT	4.	TD.COAT.CONVERTPIPE.P	195.402(c)(3) (195.557(b), 195.559)	Does the process require that pipelines that have been converted to liquid service and were constructed after the applicable date in 195.401(c) have external coating?
206	88982 (10 19)	Sat	(3)	TD.CPEXPOSED	1.	TD.CP.DEFICIENCY.P	195.402(c)(3) (195.573(e))	Does the process require correction of any identified deficiencies in corrosion control?
207	88982 (10 19)	Sat		TD.CPEXPOSED	2.	TD.CPEXPOSED.EXPOSEINSPECT.P	195.402(c)(3) (195.569)	Does the process require that exposed portions of buried pipeline be examined for external corrosion and coating deterioration, and if external corrosion is found, further examination required to determine the extent of the corrosion?
208	88982 (10 19)	Sat		TD.CPEXPOSED	5.	TD.CPEXPOSED.EXTCORRODEEVAL.P	195.402(c)(3) (195.587)	Does the process provide sufficient direction for personnel to evaluate the remaining strength of externally corroded pipe?

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209	88982 (10 19)	Sat		TD.CPEXPOSED	7.	TD.CPEXPOSED.EXTCORRODEREPAIR .P	195.402(c)(3) (195.585(a), 195.585(b))	Does the process give sufficient guidance for personnel to repair or replace pipe that is externally corroded to an extent that there is not sufficient remaining strength in the pipe wall?
210	88982 (10 19)	NA		TD.ICP	3.	TD.ICP.INVESTREMED.P	195.402(c)(3) (195.579(a))	Does the process give adequate guidance for investigating and remediating the corrosive effects of hazardous liquids or carbon dioxide being transported?
	88982 (10 19)	NA		TD.ICP	5.	TD.ICP.INHIBITOR.P	(195.579(b)(1),	Does the process give adequate direction for the utilization of corrosion inhibitors?
212	88982 (10 19)	Sat		TD.ICP	8.	TD.ICP.EXAMINE.P	195.402(c)(3) (195.579(a), 195.579(c))	Does the process direct personnel to examine removed pipe for evidence of internal corrosion?
213	88982 (10 19)	Sat		TD.ICP	11	TD.ICP.EVALUATE.P	195.402(c)(3) (195.587)	Does the process give sufficient guidance for personnel to evaluate the remaining strength of pipe that has been internally corroded?
	88982 (10 19)	Sat		TD.ICP	13	TD.ICP.REPAIR.P	195.402(c)(3) (195.585(a), 195.585(b))	Does the process give sufficient guidance for personnel to repair or replace pipe that has internally corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?
215	88982 (10 19)	Sat		TD.ICP	15	TD.ICP.BOLINING.P	195.402(c)(3) (195.579(d))	Does the process give adequate direction for installing breakout tank bottom linings?
	88982 (10 19)	NA		TD.SP	1.	TD.SP.PROCESS.P	190.341(d)(2)	Has a process been developed for complying with the special permit conditions?
217	88982 (10 19)	Sat	(2)	TQ.QU	1.	TQ.QU.CORROSIONSUPERVISE.P	195.402(c) (195.555, 195.505(h))	Are supervisors required to maintain a thorough knowledge of corrosion control procedures they are responsible for, and is it verified?

1. Result is repeated (N) times in this report due to re-presentation of the question in multiple sub-groups.

Report Parameters: All non-empty Results

Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.